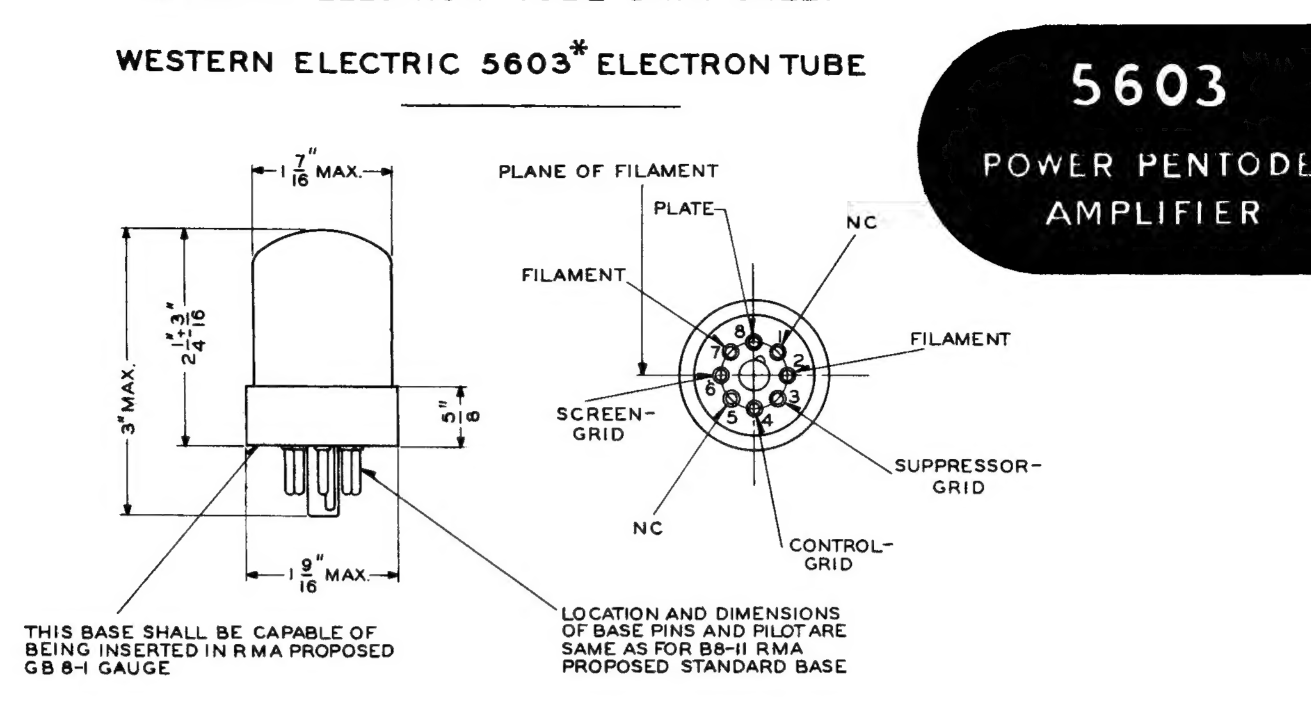
ADVANCE ELECTRON TUBE DATA SHEET

# WESTERN ELECTRIC 5603* ELECTRON TUBE

## 5603

POWER PENTODE AMPLIFIER




CLASSIFICATION

Filamentary Power Pentode Amplifier

MOUNTING

The tube should be mounted preferably in a vertical position. If mounted in a horizontal position, the plane through contact pins 2 and 6 must be vertical.

MAXIMUM RATINGS (DESIGN-CENTER VALUES)

| | | |
|---|---|---|
| Plate Voltage | 150 | volts |
| Plate Dissipation | 8.0 | watts |
| Screen Voltage | 150 | volts |
| Screen Dissipation | 2.5 | watts |
| Cathode Current | 75 | milliamperes |

OPERATING CONDITIONS AND CHARACTERISTICS

| | | |
|---|---|---|
| Filament Voltage | 6.3 | volts |
| Filament Current | 0.5 | amp. |
| Plate Voltage | 135 | volts |
| Plate Current | 50 | milliamperes |
| Screen Voltage | 135 | volts |
| Screen Current | 4 | milliamperes |
| Suppressor-Grid Voltage | 0 | volts |
| Cathode Bias Resistor | 230 | ohms |
| Amplification Factor | 92 | |
| Plate Resistance | 17000 | ohms |
| Transconductance | 5400 | micromhos |
| Signal Grid Voltage | 8.5 | volts a-c |
| Load Resistance | 2500 | ohms |
| Power Output | 2.2 | watts |

INTERELECTRODE CAPACITANCES (NO SHIELD)

| | | |
|---|---|---|
| Control-grid to filament, screen-grid and suppressor-grid | 9.5 | μμf |
| Plate to control-grid | 0.3 | μμf |
| Plate to filament, screen-grid and suppressor-grid | 7.5 | μμf |

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